

AMENDMENTS TO THE CLAIMS

Claims 1-20: (Previously Canceled)

21. (Previously Presented) A modified nucleotide triphosphate comprising a covalently attached electron transfer moiety.

22. (Previously Presented) A nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose of said nucleotide.

23. (Previously Presented) A nucleotide according to claim 21 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.

24. (Previously Presented) A nucleotide according to claim 21 wherein said electron transfer moiety is a transition metal complex.

25. (Currently Amended) A nucleotide according to claim 24 wherein said transition metal complex comprises ~~ruthenium~~ a ruthenium atom.

26. (Currently Amended) A nucleotide according to claim 24 wherein said transition metal complex comprises ~~iron~~ an iron atom.

27. (Previously Presented) A method of making a nucleic acid comprising a covalently attached electron transfer moiety, said method comprising:

- a) providing a modified nucleotide comprising a covalently attached electron transfer moiety;
- b) converting said modified nucleotide into a modified nucleotide triphosphate; and
- c) incorporating said modified nucleotide triphosphate in a synthetic reaction to form a nucleic acid with a covalently attached electron transfer moiety.

28. (Previously Presented) A method according to claim 27 wherein said electron transfer moiety is attached to the ribose of said nucleotide.

29. (Previously Presented) A method according to claim 27 wherein said electron transfer moiety is attached to the ribose via a linker at the 2' position.

30. (Previously Presented) A method according to claim 27 wherein said electron transfer moiety is a transition metal complex.

31. (Previously Presented) A method according to claim 30 wherein said transition metal complex comprises ruthenium.

32. (Previously Presented) A method according to claim 30 wherein said transition metal complex comprises iron.